

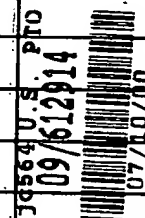
# INFORMATION DISCLOSURE CITATION

PTO-1449

ATTORNEY'S DKT No.  
012712-905APPLICATION NO.  
Not AssignedAPPLICANT  
Nabil HANNA et al.FILING DATE  
July 10, 2000GROUP  
Not Assigned

## U.S. PATENT DOCUMENTS

| EXAMINER'S INITIALS | PATENT NO. | DATE     | NAME              | CLASS | SUBCLASS | FILING DATE |
|---------------------|------------|----------|-------------------|-------|----------|-------------|
| ICYI                | 4,816,567  | 3/28/89  | Cabilly et al.    | 530   | 387      |             |
|                     | 4,973,745  | 12/18/90 | Schoemaker et al. | 530   | 387      |             |
|                     | 4,975,369  | 12/04/90 | Beavers et al.    | 435   | 69       |             |
| ICYI                | 4,816,397  | 3/28/89  | Boss et al.       | 435   | 68       |             |



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| EXAMINER'S INITIALS | PATENT NO.      | DATE     | COUNTRY | CLASS | SUBCLASS | Translation |    |
|---------------------|-----------------|----------|---------|-------|----------|-------------|----|
|                     |                 |          |         |       |          | Yes         | No |
| ICYI                | 9008198         | 7/26/90  | PCT     |       |          |             |    |
|                     | EP 0 523 949 A1 | 01/20/93 | EUROPE  |       |          |             |    |
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|      | Camerini, D. and Seed, B., Cell, 60:747, (1990)   |
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EXAMINER /Christopher Yaen/ (08/20/2007)

DATE CONSIDERED

08/20/2007

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|---|--|------|---------|----------------------------------|----------|---------------------------------|----|
|   |  |      |         | APPLICANT<br>Nabil HANNA et al.  |          |                                 |    |
|   |  |      |         | FILING DATE<br>July 10, 2000     |          | GROUP<br>Not Assigned           |    |
| <b>U.S. PATENT DOCUMENTS</b>  |  |      |         |                                  |          |                                 |    |
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| <b>FOREIGN PATENT DOCUMENTS</b>   |  |      |         |                                  |          |                                 |    |
| EXAMINER'S INITIALS   | PATENT NO.   | DATE | COUNTRY | CLASS                            | SUBCLASS | Translation                     |    |
|   |  |      |         |                                  |          | Yes                             | No |
|   |  |      |         |                                  |          |                                 |    |
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|   |  |      |         |                                  |          |                                 |    |
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|   | Houghton, A.N. et al., <u>Seminars in Oncology</u> , "Monoclonal antibodies potential applications to the treatment of cancer", 13:165, (1986).                                    |      |         |                                  |          |                                 |    |
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|   | Van Meurz et al. JOURNAL OF IMMUNOLOGICAL METHODS (1986) 123.  |      |         |                                  |          |                                 |    |
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|   |   |      |         | FILING DATE<br>July 10, 2000     |          | GROUP<br>Not Assigned           |    |
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| EXAMINER'S<br>INITIALS  | PATENT NO.  | DATE | COUNTRY | CLASS                            | SUBCLASS | Translation                     |    |
|   |   |      |         |                                  |          | Yes                             | No |
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| ↓   | Van Meurs et al. "Production of Primate Monoclonal Antibodies" JOURNAL OF IMMUNOLOGICAL METHODS, 1986, Vol. 95, pp. 123-128.  |      |         |                                  |          |                                 |    |
| ↓   | Schroeder et al. "Early Restriction of the Human Antibody Repertoire" SCIENCE, November 6, 1987, Vol. 238, Pages 791-793.   |      |         |                                  |          |                                 |    |
| ↓   | Combriato et al. "V Lambda and J Lambda-C Lambda Gene Segments of the Human Immunoglobulin Lambda Light Chain Locus are Separated by 14 KB and Rearrange by a Deletion Mechanism" EUROPEAN JOURNAL OF IMMUNOLOGY, June 1991, Vol. 21, Pages 1513-1522.  |      |         |                                  |          |                                 |    |
| ↓   | Hughes-Jones et al. "Nucleotide Sequences and Three-Dimensional Modelling of the VH and VL Domains of Two Human Monoclonal Antibodies Specific for the D Antigen of the Human RH-Blood Group System" THE BIOCHEMICAL JOURNAL, May 15, 1990, Vol. 268, No. 1, Pages 135-140.   |      |         |                                  |          |                                 |    |
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| EXAMINER: Christopher Yaen/ (08/20/2007)                                      |   |      |         | DATE CONSIDERED 08/20/2007       |          |                                 |    |

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FORM PTO-1449 (modified)  
To: U.S. Department of Commerce  
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Patent and Trademark Office

APR 08 2003  
PATENT AND TRADEMARK OFFICE  
INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

Atty.  
Dkt. No.

Client Ref.

037003-0275543

1991-30-0019CP4C1

Applicant: Hanna, et al.

Appl. No.: 09/612,914

Filing Date: July 10, 2000

Examiner: Yaen, C.

Group Art Unit: 1642

Date: April 8, 2003

Page 1 of 1

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| Examiner's Initials* | Document Number | Date MM/YYYY | Name (Family Name of First Inventor) | Class | Sub Class | Filing Date (if appropriate) |
|----------------------|-----------------|--------------|--------------------------------------|-------|-----------|------------------------------|
| AR                   |                 |              |                                      |       |           |                              |

# FOREIGN PATENT DOCUMENTS

|      |    | Document Number | Date MM/YYYY | Country | Inventor Name  | English Abstract |    | Translation R adily Available |    |
|------|----|-----------------|--------------|---------|----------------|------------------|----|-------------------------------|----|
|      |    |                 |              |         |                | Enclosed         | No | Enclos                        | No |
| ICYI | BR | 0 523 949 A1    | 07/1992      | EP      | Crowe, et al.  |                  |    |                               |    |
| ✓    | CR | 1 266 965 A2    | 12/2002      | EP      | Newman, et al. |                  |    |                               |    |
|      | DR | 1 266 965 A3    | 01/2003      | EP      | Newman, et al. |                  |    |                               |    |
| ICYI | ER |                 |              |         |                |                  |    |                               |    |

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|      | GR | Houghton, A., et al., Monoclonal antibodies: potential applications to the treatment of cancer, <i>Seminars in Oncology</i> , 13(2):165-179 (1986)   |  |  |  |  |
|      | HR | Hughes-Jones, N., et al., Nucleotide sequences and three-dimensional modelling of the V $_H$ and V $_L$ domains of two human monoclonal antibodies specific for the D antigen of the human Rh-blood-group system, <i>Biochem. J.</i> 268:135-140 (1990)  |  |  |  |  |
|      | IR | Riechmann, L., et al., Reshaping human antibodies for therapy, <i>Nature</i> 332(6162):323-327 (Mar. 24, 1988)   |  |  |  |  |
|      | JR | Schroeder, H., et al., Early restriction of the human antibody repertoire, <i>Science, New Series</i> , 238(4828):791-793 (Nov. 6, 1987)   |  |  |  |  |
|      | KR | Stephens, D.M., et al., Antibodies are produced to the variable regions of the external envelope glycoprotein of human immunodeficiency virus type 1 in chimpanzees infected with the virus and baboons immunized with a candidate recombinant vaccine, <i>Journal of General Virology</i> , 73:1099-1106 (1992) |  |  |  |  |
|      | LR | Truneh, A., et al., Humoral response of cynomolgus macaques to human soluble CD4: antibody reactivity restricted to xeno-human determinants, <i>Cellular Immunology</i> 131:98-108 (1990)  |  |  |  |  |
| ✓    | MR | Van Meurs, G.J.E., et al., Production of primate monoclonal antibodies, <i>Journal of Immunological Methods</i> , 95:123-128 (1986)  |  |  |  |  |
| ICYI | NR | Watanabe, M., et al., Immunization of simian immunodeficiency virus-infected rhesus monkeys with soluble human CD4 elicits an antiviral response, <i>Proc. Natl. Acad. Sci. USA</i> , 88:4616-4620 (Jun. 1991)   |  |  |  |  |

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Examiner/Christopher Yaen/ (08/20/2007)

Date Considered:08/20/2007

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 (modified)  
To: U.S. Department of Commerce  
(PW FORM PAT-1449)  
Patent and Trademark Office

Atty. Dkt. No.: 037003-0275543

**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

Applicants: Hanna et al.

Filing Date: July 10, 2000

Date: March 6, 2007

Page

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of

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Examiner: C. Yaen

Group Art Unit: 1643

**U.S. PATENT DOCUMENTS**

| Examiner's Initials* |    | Document Number | Date MM/YYYY | Name (Family Name of First Inventor) | Class | Sub Class | Filing Date (if appropriate) |
|----------------------|----|-----------------|--------------|--------------------------------------|-------|-----------|------------------------------|
| /CY/                 | AR | 4,976,745       | 11/1990      | Schoemaker <i>et al.</i>             | 514   | 423       |                              |
| ↓                    | BR | 4,975,369       | 12/1990      | Beavers <i>et al.</i>                | 514   | 546       |                              |
|                      | CR | 4,816,567       | 03/1989      | Cabilly <i>et al.</i>                | 548   | 523       |                              |
| /CY/                 | DR | 4,816,397       | 03/1989      | Boss <i>et al.</i>                   | 514   | 2         |                              |

**FOREIGN PATENT DOCUMENTS**

|        |      | Document Number | Date MM/YYYY | Country | Inventor Name         | English Abstract |    | Translation Readily Available |    |
|--------|------|-----------------|--------------|---------|-----------------------|------------------|----|-------------------------------|----|
|        |      |                 |              |         |                       | Enclosed         | No | Enclosed                      | No |
| /CY/   | ER   | WO 90/08198     | 07/1990      | WIPO    | Letvin                | Yes              |    | Yes                           |    |
| ↓      | * FR | WO 90/15152     | 12/1990      | WIPO    | Cobbold <i>et al.</i> | Yes              |    | Yes                           |    |
|        | * GR | WO 93/02108     | 02/1993      | WIPO    | Newman <i>et al.</i>  | Yes              |    | Yes                           |    |
|        | * HR | EP 1266965 A2   | 12/2002      | EPO     | Newman <i>et al.</i>  | Yes              |    | Yes                           |    |
|        | * IR | EP 1266965 A3   | 01/2003      | EPO     | Newman <i>et al.</i>  | Yes              |    | Yes                           |    |
|        | JR   | EP 0451216 B1   | 10/1991      | EPO     | Queen <i>et al.</i>   | Yes              |    | Yes                           |    |
| ↓      | KR   | EP 0523949 A1   | 01/1993      | EPO     | Crowe <i>et al.</i>   | Yes              |    | Yes                           |    |
|        | LR   | EP 0682040 A1   | 11/1995      | EPO     | Queen <i>et al.</i>   | Yes              |    | Yes                           |    |
| /CY/ * | MR   | WO 88/07089     | 09/1988      | WIPO    | Winter <i>et al.</i>  | Yes              |    | Yes                           |    |

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|      | PR | Infection and Immunity, Volume 61, Number 10, issued October 1993, Lopez-Guerro <i>et al.</i> , "Modulation of adjuvant arthritis in Lewis rats by recombinant vaccinia virus expressing the human 60-kilodalton heat shock protein", pages 4225-4231, see entire document.       |
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| ↓    | SR | Jones, P.T. <i>et al.</i> , Nature 321:522 (1986)   |
|      | TR | Camerini, D. and B. Seed, Cell 60:747 (1990)  |
| /CY/ | UR | McClure, M.O. <i>et al.</i> , Nature 330:487 (1987)   |

Examiner /Christopher Yaen/ (08/20/2007)

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**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

Applicants: Hanna et al.

Filing Date: July 10, 2000

Date: February 27, 2007

Page 2 of 3

Examiner: C. Yaen

Group Art Unit: 1643

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|      | WR  | Nishimura, Y et al., Cancer Research 47:999 (1987)   |
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|      | ZR  | Persson et al., Proc. Natl. Acad. Sci. USA 88:2432 (1991)  |
|      | AAR | Meek et al., J. Immun 146:2434 (1991)  |
|      | BBR | Allison et al, J. Immunological Methods 95:157 (1986)  |
|      | CCR | Ehrlich et al., Hybridoma, 7:4, pp. 385-395 (1988)   |
|      | DDR | Ehrlich et al., Clin. Chem. 34:1681 (1988)   |
|      | EER | Van Meel et al., J. Immunological Methods 80:267 (1985)  |
|      | FFR | BS Heteromyceloma line, abstract   |
|      | GGR | Ehrlich et al., Hum Antibod. Hybridomas 1:1 (1990)   |
|      | HHR | Ehrlich et al., Hybridoma 6:2 pp.151-160 (1987)  |
|      | IIR | Herpes Transformation, abstract  |
|      | JJR | Amoroso et al., J. Immun. 145:3155 (1990)  |
|      | KKR | Huse et al., Science 246:1275 (1989)   |
|      | LLR | Letvin et al., "Effect of Recombinant Soluble CD4 in Rhesus Monkeys Infected with Simian Immunodeficiency Virus of Macaques", Abstract from the V International Conference on AIDS (1989) p. 535 |
|      | MMR | Rosenberg, M. et al., "Soluble Recombinant CD4 - A Potential Therapeutic Agent for HIV Infector", Biotherapy 2:107 (1990)  |
|      | NNR | Riechmann, L. et al., "Reshaping Human Antibodies for Therapy", Nature 332:323-327 (1988)  |
|      | OOR | Houghton, A.N. et al., "Monoclonal Antibodies Potential Applications to the Treatment of Cancer", Seminars in Oncology 13:165 (1986)   |
|      | PPR | Watanabe, M. et al., Proceedings of the National Academy of Sciences 88:4616-4620 (1991).  |
|      | QQR | Van Meurzt et al., Journal of Immunological Methods (1986) p. 123.   |
|      | RRR | Morrison, Science 229:1202 (1985)  |
|      | SSR | Immunology Today 10:253 (1989)   |
|      | TTR | Queen et al., PNAS 86:10029 (1989)   |
|      | UUR | Waldmann, Science 252:1657 (1991)  |
|      | VVR | Hied et al., Genes and Cancer (1990) p. 183  |
| /CY/ | WWR | Markova et al., "Monkey B lymphocyte subpopulations transformed by baboon herpes virus in vivo and in tissue cultures", VOPR VIRUSOL 30:5 (October, 1985) pp. 549-553.                           |

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Applicants: Hanna et al.

Filing Date: July 10, 2000

Date: February 27, 2007

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Examiner: C. Yaen

Group Art Unit: 1643

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|      | YYR     | Van Meurs et al., "Production of Primate Monoclonal Antibodies", Journal of Immunological Methods" Vol. 95 (1986) pp. 123-128  |
|      | ZZR     | Schroeder et al. "Early Restriction of the Human Antibody Repertoire" Science, Vol. 238 (November 6, 1987) pp. 791-793.  |
|      | AAAR    | Combriato et al. "V Lambda and J Lambda-C Lambda Gene Segments of the Human Immunoglobulin Lambda Light Chain Locus are Separated by 14 KB and Rearrange by a Deletion Mechanism", European Journal of Immunology, Vol. 21 (June 1991) pp. 1513-1522.  |
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Examiner

/Christopher Yaen/ (08/20/2007)

Date Considered:

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